

1/5

A

```

1 atggcccaag ccctgccctg gctcctgctg tggatgggag cgaggagtgt
51 gcctgcccac ggcaccacag acggcatccg gctgcccctg cgcagcggcc
101 tggggggcgc cccctggggg ctgcggtctg cccggggagac cgacgaagag
151 cccgaggagc cgggccggag gggcagcttt gtggagatgg tggacaacct
201 gaggggcaag tcggggcagg gctactacgt ggagatgacc gtgggcagcc
251 ccccgagac gctcaacatc ctggtggata caggcagcag taactttgca
301 gtgggtgctg ccccccaccc ctctctgcat cgctactacc agaggcagct
351 gtccagcaca taccgggacc tccggaaggg tgtgtatgtg ccctacaccc
401 agggcaagtg ggaaggggag ctgggcaccg acctggtaag catcccccac
451 ggcccaacg tcactgtgctg tgccaacatt gctgccatca ctgaatcaga
501 caagtctctc atcaacggct ccaactggga aggcacccct gggctggcct
551 atgtgagatg tgccaggatc attggaggta tcgaccactc gctgtacaca
601 agcgagctct ggtatacacc catccggcgg gagtggtatt atgaggtcat
651 cattgtgctg gtggagatca atggacagga tctgaaaatg gactgcaagg
701 agtacaacta tgacaagagc attgtggaga gtggcaccac caaccttcgt
751 ttgcccaga aagtgtttga agctgcagtc aaatccatca aggcagcctc
801 ctccacggag aagttccctg atggtttctg gctaggagag cagctggtgt
851 gctggcaagc aggcaccacc ccttggaaaca ttttccagct catctcactc
901 tacctaattg gtgaggttac caaccagtcc ttcgcatca ccatccttcc
951 gcagcaatac ctgcggccag tggaagatgt ggccacgtcc caagacgact
1001 gttacaagtt tgccatctca cagtcaccca cgggcactgt tatgggagct
1051 gttatcatgg agggcttcta cgttgtcttt gatcgggccc gaaaacgaat
1101 tggccttctg gtcagcgctt gccatgtgca cgatgagttc aggcagcgag
1151 cgggtggaag cccttttctg accttggaac tggaagactg tggctacaac
1201 attccacaga cagatgatgc aaccctcatg accatagcct atgtcatggc
1251 tgccatctgc gccctcttca tgctgccact ctgacctcat gtgtgtcagt
1301 ggcgctgctc ccgctgctcg gcgcagcagc atgatgactt tgctgatgac
1351 atctccctgc tgaagtga

```

B

```

BACE501: 1 MAQALPWLWLMGAGVLPAGHTQHGIPLRSLGGLGAPLGLRLPRETDEEPEEPGRGSGF 60
MAQALPWLWLMGAGVLPAGHTQHGIPLRSLGGLGAPLGLRLPRETDEEPEEPGRGSGF
BACE455: 1 MAQALPWLWLMGAGVLPAGHTQHGIPLRSLGGLGAPLGLRLPRETDEEPEEPGRGSGF 60

BACE501: 61 VEMVDNLRGKSGQGYVEMTVGSPPTLNILVDTGSSNFAVGAAPHPFLHRYYQRLSST 120
VEMVDNLRGKSGQGYVEMTVGSPPTLNILVDTGSSNFAVGAAPHPFLHRYYQRLSST
BACE455: 61 VEMVDNLRGKSGQGYVEMTVGSPPTLNILVDTGSSNFAVGAAPHPFLHRYYQRLSST 120

BACE501: 121 YRDLRKGVVYPYTQGWEGELGTDLVSIHPGPNVTVRANIAAITESDKFFINGSNWEGIL 180
YRDLRKGVVYPYTQGWEGELGTDLVSIHPGPNVTVRANIAAITESDKFFINGSNWEGIL
BACE455: 121 YRDLRKGVVYPYTQGWEGELGTDLVSIHPGPNVTVRANIAAITESDKFFINGSNWEGIL 180

BACE501: 181 GLAYAEIARPDSDLEPFDDSLVKQTHVFNLFSLQLCGAGFPLNQSEVLASVGGSMIIGGI 240
GLAYAEIAR IIGGI
BACE455: 181 GLAYAEIAR-----IIGGI 194

BACE501: 241 DHSLYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPLPKK 300
DHSLYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPLPKK
BACE455: 195 DHSLYTGSLWYTPIRREWYVEIIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPLPKK 254

BACE501: 301 VFEEAVKSIKAASSTEKFPDGFVLGEQLVCWQAGTTPWNIFFVISLYLMGEVTNQSFRT 360
VFEEAVKSIKAASSTEKFPDGFVLGEQLVCWQAGTTPWNIFFVISLYLMGEVTNQSFRT
BACE455: 255 VFEEAVKSIKAASSTEKFPDGFVLGEQLVCWQAGTTPWNIFFVISLYLMGEVTNQSFRT 314

BACE501: 361 ILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSAC 420
ILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSAC
BACE455: 315 ILPQQYLRPVEDVATSQDDCYKFAISQSSTGTVMGAVIMEGFYVVFDRARKRIGFAVSAC 374

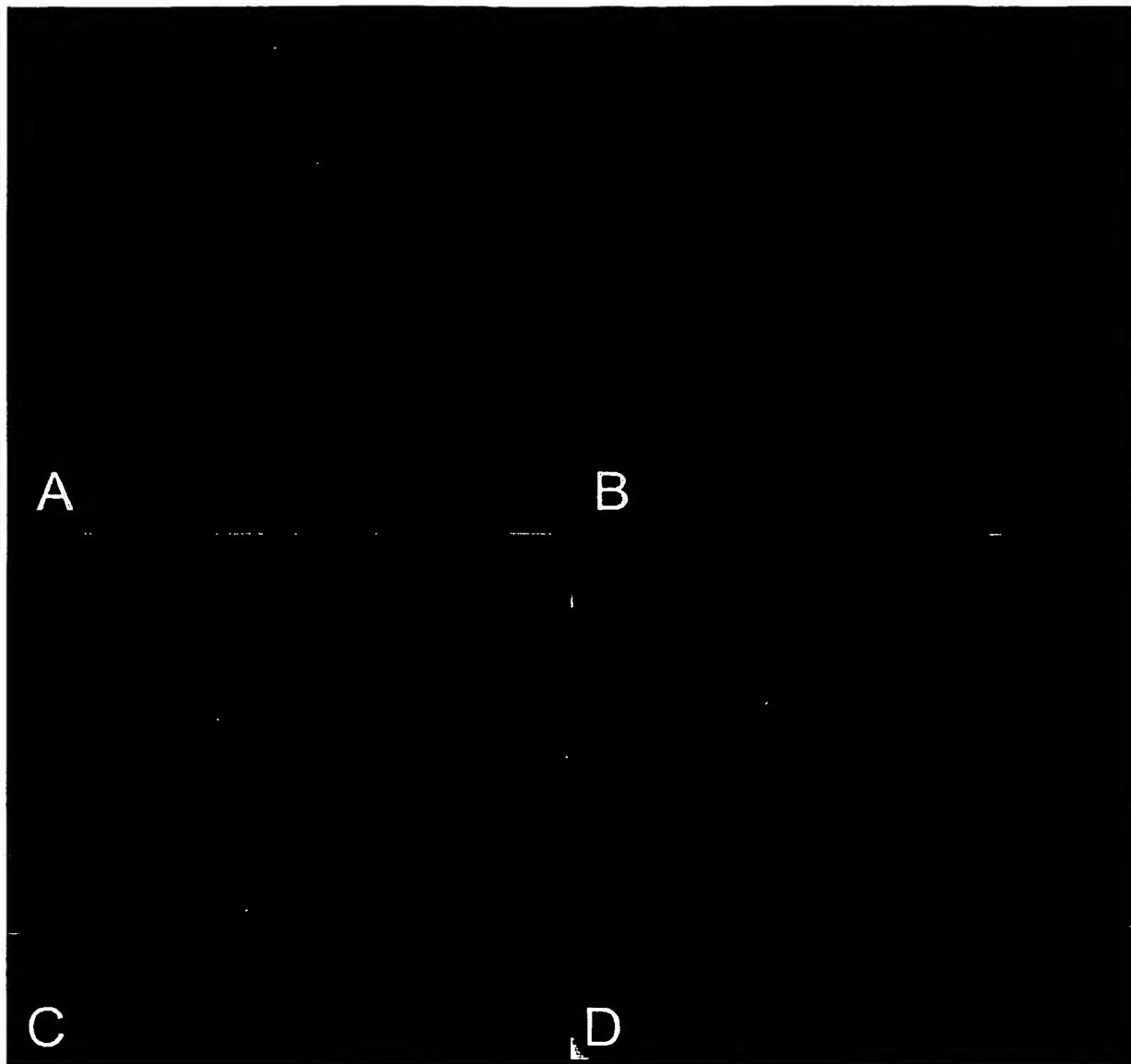
BACE501: 421 HVHDEFRTAAVEGPFVTLDMEDCGYNIPTDESTLMTIAYVMAAICALFMLPLCLMVCQW 480
HVHDEFRTAAVEGPFVTLDMEDCGYNIPTDESTLMTIAYVMAAICALFMLPLCLMVCQW
BACE455: 375 HVHDEFRTAAVEGPFVTLDMEDCGYNIPTDESTLMTIAYVMAAICALFMLPLCLMVCQW 434

BACE501: 481 RCLRCLRQQHDDFADDISLLK 501
RCLRCLRQQHDDFADDISLLK
BACE455: 435 RCLRCLRQQHDDFADDISLLK 455

```

Figure 1

2/5



3/5

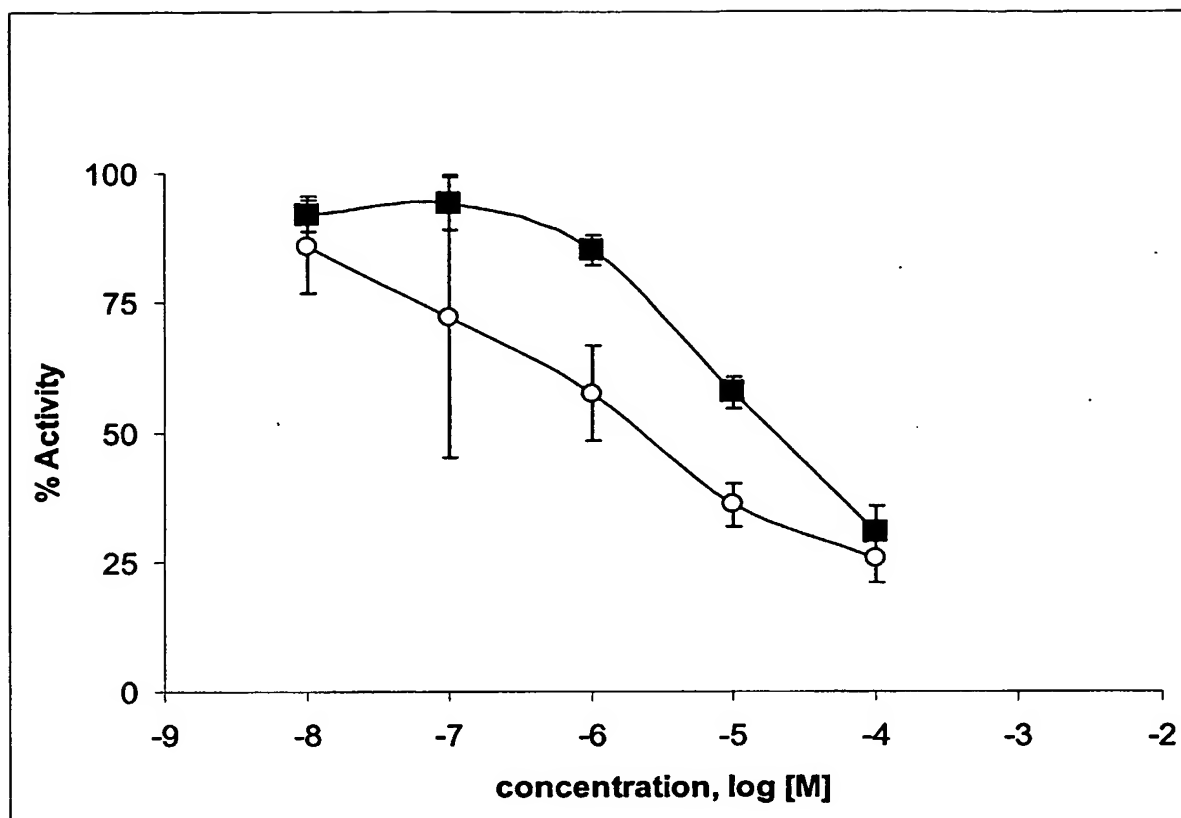


Figure 3

4/5

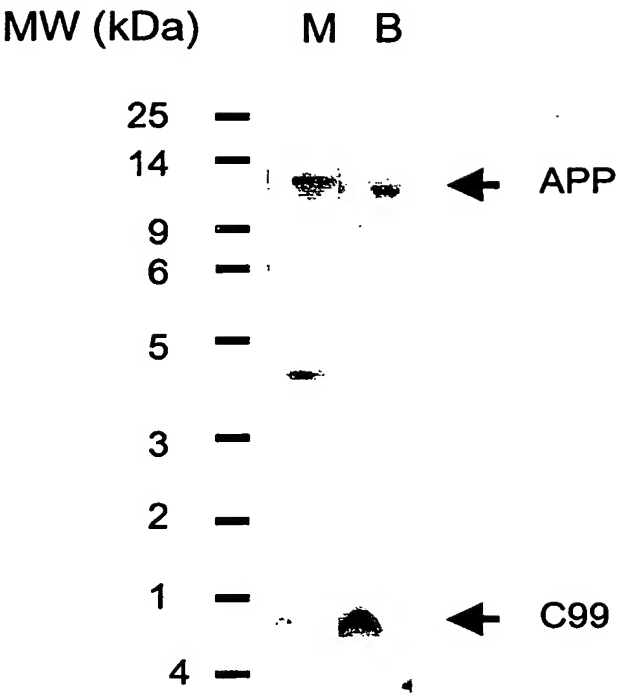


Figure 4

5/5

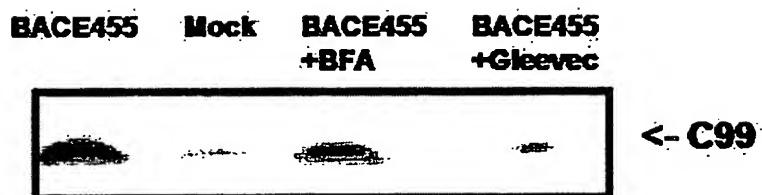


Figure 5